Pat
Peter
Ray RLS
Return to RLS

MONITOR WELL PRE-SPUD PROPOSAL

1) WELL NAME/NUMBER: 700-F

2) PROPOSED LOCATION: (a) General (on or off-site) On-site

(attach map Site Area 700 Area

(b) Sect 23 Twnshp 20S Rng 3E SW ¼ SW ¼ NW ¼ SW ¼

3) WELL PARAMETERS:

(a) Est. total depth 530 (ft) (b) Est. ground elevation @4752 ft

(c) Anticipated stratigraphy:

Alluvium (Santa Fe Group) from 0 ' to 280 ' (depth)

Andesite (Orejon) from 280 ' to TD ' (depth)

(d) Anticipated water bearing horizon(s):

Andesite (Orejon) at 460 ' (depth)

_____ at _____ ' (depth)

(e) Anticipated static water level 275 ' (depth)

4) WELL PURPOSE/JUSTIFICATION (attach maps and table if needed):

To assess groundwater quality in the shallow aquifer northwest of the landfill area.

5) PROPOSED DRILLING PARAMETERS:

(a) Drilling method(s): (air/foam/mud rotary/auger/etc.)

Mud Rotary from 0 ' to 100 ' (depth) maximum

Air Foam Rotary from 100 ' to TD ' (depth)

Air-foam method: "Quik-Foam" surfactant/water mixture used in conjunction with filtered compress air.

Mud-rotary method: Bentonite mud/water mixture.

*Estimated total depth calculated 250' into bedrock if borehole does not produce ample water.

WELL NAME/NUMBER: 700-F

(b) Lithology sampling - collect sample every:

5' intervals Method Grab from 0 ' to TD ' (depth)
Core type 6" Dennison from ' to ' (depth)
2" Christiansen from ' to ' (depth)

(c) Anticipated drilling additive(s): E-Z mud

7) PROPOSED WELL COMPLETION DESIGN/MATERIALS

(a) Casing:	Material	Diameter	From	To	Comments
Temporary					
Surface		10"	0	100' max	
Screen (10')	Stainless ++	4"	To be determined from Geophysical logs		0.02"
Completion Pipe	stainless +	4"	0	TD	*

Standard material: Blank riser, silt trap, locking cap

N/A Data not available at this time
* for deep completions (450 feet or more)
** for shallow completions
\+ Type 304, Schedule 5 stainless steel
Type 304, Schedule 10 stainless steel
++ Regular strength screen, extra strength screen used below 450 feet

(b) Filter pack: Standard 8/20 and 16/40 sand and bentonite plug(s), grout to surface.

8) PROPOSED WELL DEVELOPMENT

(a) Surge and bail with surge block and bailer.

(b) Pump with submersible pump until parameters stabilize.

9) WELL AUTHORIZATION

(a) Proposed by Geoscience Consultants, Ltd.

(b) Authorized Robert Mitchell (name) NASA (representing) Robert E Mitchell (signature)